

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A power supply for use in an electrical apparatus having a plurality of operational modes including a normal mode and a standby mode, the power supply comprising:

a DC power unit for outputting a DC voltage;

a microcomputer for outputting a mode control signal according to the operational mode of the electrical apparatus;

a first power converter, controlled by the mode control signal, for converting the DC voltage output of said DC power unit into at least one operation voltage required for powering a plurality of loads; and

a second power converter for supplying said microcomputer with a regulated feedback voltage in the standby mode of the electrical apparatus, wherein said second power converter has at least two power taps.

2. (Previously Presented) The power supply as claimed in claim 1, further comprising a switch for controlling application of the DC voltage output of said DC power unit to said microcomputer through said second power converter according to the mode of the electrical apparatus.

3. (Previously Presented) The power supply as claimed in claim 2, wherein the DC voltage output of said DC power unit is applied to said microcomputer through said second power converter in the standby mode of the electrical apparatus.

4. (Previously Presented) The power supply as claimed in claim 1, further comprising a voltage regulator for outputting a regulated voltage to said microcomputer in the normal mode of the electrical apparatus.

5. (Previously Presented) The power supply as claimed in claim 1, wherein said second power converter comprises a transformer.

6. (Previously Presented) The power supply as claimed in claim 5, wherein the transformer has a tapped output.

7. (Canceled)

8. (Previously Presented) The power supply as claimed in claim 5, wherein the at least two power taps of said second power converter are 5V and 12V taps, respectively.

9. (Previously Presented) The power supply as claimed in claim 6, further comprising a feedback circuit connected between the tapped output and an input of the transformer.

10. (Previously Presented) The power supply as claimed in claim 9, wherein the tapped output is a 5V tap.

11. (Previously Presented) A power supply for use in an electrical apparatus having a plurality of operational modes including a normal mode and a standby mode, the power supply comprising:

a DC power unit for outputting a DC voltage;

a microcomputer for outputting a mode control signal according to the operational mode of the electrical apparatus;

a first power converter, controlled by the mode control signal, for converting the DC voltage output of said DC power unit into at least one operation voltage required for powering a plurality of loads; and

a transformer as a second power converter for supplying said microcomputer with a regulated feedback voltage in the standby mode of the electrical apparatus,

wherein said transformer has at least two power taps, the at least two power taps including a tapped output that is fed back to an input of said transformer.

12. (Previously Presented) The power supply as claimed in claim 11, wherein said microcomputer receives the tapped output of said transformer during the standby mode.

13. (Previously Presented) The power supply as claimed in claim 11, wherein the at least two power taps of said transformer generate at least two different voltage level outputs, the at least two different voltage level outputs including a higher voltage and a lower voltage.

14. (Previously Presented) The power supply as claimed in claim 12, wherein the tapped output fed back to the input of said transformer is the lower voltage output of said transformer.

15. (Previously Presented) The power supply as claimed in claim 12, wherein, during the standby mode, said microcomputer operates based on the lower voltage output of said transformer.